

Converting Colors

Yxy(32.8825, 0.3045, 0.4833)

Have a look what the booklet for
Yxy(32.8825, 0.3045, 0.4833)
contains.

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Color

Yxy(32.9551, 0.3041, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	56AE58
RGB	86, 174, 88
RGB Percent	34%, 68%, 35%
CMY	0.6627, 0.3176, 0.6550
CMYK	0.51, 0.00, 0.49, 0.32
HSL	121°, 35%, 51%
HSV	121°, 51%, 68%
XYZ	20.7359, 32.9551, 14.4967
YIQ	137.8840, -24.8420, -45.4020

Conversions

Conversions Part 2

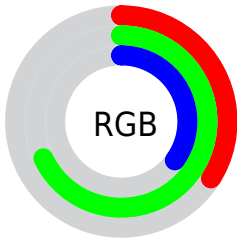
Format	Color
RYB	86, 172, 174
Decimal	5680728
CIELab	64.12, -44.37, 36.02
CIElCh	64, 57.147, 140.927
Yxy	32.9551, 0.3041, 0.4833
Android (android.graphics.Color)	4283870808 (0xFF56AE58)
YUV	137.8840, -24.5928, -45.5023
Hunter-Lab	57.4065, -35.9853, 25.2122

Details

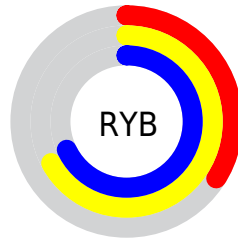
The Yxy color **32.9551, 0.3041, 0.4833** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.6374, 0.3207, 0.2117**, and the grayscale version is **25.4734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2379, 0.3083, 0.4483**, and **14.0154, 0.2936, 0.5428** is the 20% darker color. If you saturate the color by 10%, you get **31.9787, 0.3025, 0.5173**, and if you desaturate by 10%, it is **34.2011, 0.3059, 0.4485**.

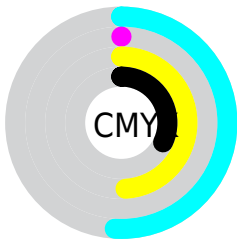
Distribution



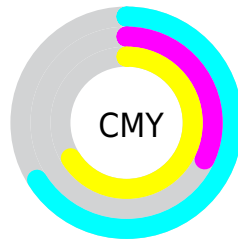
- Red (34%)
- Green (68%)
- Blue (35%)



- Red (34%)
- Yellow (67%)
- Blue (68%)



- Cyan (51%)
- Magenta (0%)
- Yellow (49%)
- Black (32%)





- Cyan (66%)
- Magenta (32%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9551, 0.3041, 0.4833 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.9551, 0.3041, 0.4833 by changing the saturation by 10% instead.


 32.9551, 0.3041,
0.4833


 32.9551, 0.3041,
0.4833


315.4474, 0.3124,
0.3963

 22.0921, 0.3001,
0.5083


 64.3054, 0.3084,
0.4492


 13.9246, 0.2935,
0.5424


 85.5615, 0.3096,
0.4372

 8.0682, 0.2817,
0.5907

 111.0507, 0.3104,
0.4273

 4.1386, 0.2631,
0.6735

 141.1574, 0.3111,
0.4190

 1.7514, 0.1871,
0.8129

176.2660, 0.3115,
0.4121

 0.4566, 0.0000,
1.0000

216.7610, 0.3119,

 0.0000, 0.0000,

0.4061

0.0000

263.0266, 0.3122,
0.4009

■ 32.9551, 0.3041,
0.4833

■ 32.9551, 0.3041,
0.4833

■ 31.9787, 0.3025,
0.5173

■ 34.2011, 0.3059,
0.4485

■ 31.2483, 0.3012,
0.5479

■ 35.7300, 0.3077,
0.4147

■ 30.7431, 0.3003,
0.5725

■ 37.5595, 0.3095,
0.3834

■ 30.4370, 0.2998,
0.5894

■ 39.7042, 0.3111,
0.3552

■ 30.2814, 0.2996,
0.5985

■ 42.1780, 0.3126,
0.3303

■ 44.9941, 0.3140,
0.3086

■ 48.1648, 0.3152,
0.2899

■ 51.7017, 0.3163,
0.2738

■ 55.6161, 0.3172,
0.2600

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9551, 0.3875, 0.4894



32.9551, 0.3041, 0.4833



32.9551, 0.2275, 0.4089

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.9551, 0.3041, 0.4833



32.9551, 0.1784, 0.2032



32.9551, 0.4663, 0.3188

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.9551, 0.3041, 0.4833



18.6374, 0.3207, 0.2117

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.9551, 0.3925, 0.2623



32.9551, 0.3041, 0.4833



32.9551, 0.2245, 0.1988

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.9551, 0.3041, 0.4833



32.9551, 0.1629, 0.2384



32.9551, 0.3003, 0.2199



32.9551, 0.4884, 0.3816

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.9551, 0.3041, 0.4833



32.9551, 0.1910, 0.3420



32.9551, 0.3003, 0.2199



32.9551, 0.4463, 0.2989

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.9565, 0.3041, 0.4833



70.1163, 0.3104, 0.3681



39.7764, 0.3839, 0.4499



15.4074, 0.3100, 0.3739



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9565, 0.3041, 0.4833



57.7763, 0.3023, 0.5222



33.9038, 0.2751, 0.4037



8.9422, 0.3113, 0.3519



21.9640, 0.2995, 0.5982



0.6119, 0.2973, 0.5902

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.6374, 0.3207, 0.2117



28.7604, 0.3225, 0.1907



17.2303, 0.3827, 0.2668



8.1449, 0.3141, 0.3071



8.6362, 0.3265, 0.1572



0.2412, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 32.9551, 0.3041, 0.4833 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.9551, 0.3041, 0.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9551, 0.3041, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 32.9551, 0.3041, 0.4833.



This preview shows how white text looks on a background with the Yxy color 32.9551, 0.3041, 0.4833.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.9551, 0.3041, 0.4833

Protanopia

32.5828, 0.3978, 0.4352

Deuteranopia

32.2585, 0.4095, 0.4004



Tritanopia

32.7894, 0.2551, 0.3081

Trichromacy



Original Color

32.9551, 0.3041, 0.4833



Protanomaly

31.9697, 0.3577, 0.4543



Deuteranomaly

31.3707, 0.3653, 0.4314



Tritanomaly

32.7022, 0.2732, 0.3683

Monochromacy



Original Color

32.9551, 0.3041, 0.4833



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.4112, 0.3091, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9551, 0.3041, 0.4833 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(86, 174, 88)` looks like.

```
.text, #text, p{  
    color:rgb(86, 174, 88)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(86, 174, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 174, 88) }
```

Border

The CSS property to change the border of an element to Yxy 32.9551, 0.3041, 0.4833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 174, 88) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(86, 174, 88) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(86, 174, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 174, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 174, 88);  
box-shadow:4px 4px 4px 4px rgb(86, 174,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9551, 0.3041, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 174, 88) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(86, 174,  
88) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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